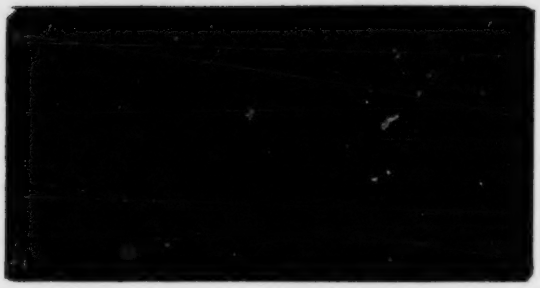
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR



Policy Development & Planning
Department of Transportation
St. John's, Newfoundland

DEPARTMENT OF WORKS, SERVICES & TRANSPORTATION

RESEARCH REPORT NO. 42

RESULTS SEAT BELT SURVEY

MAY 24, 1990

Mary Murphy
Policy and Planning
May, 1990

SUMMARY

This Annual Seat Belt Survey, Research Report No. 42 conducted on May 24, 1990, seven months after the survey conducted by Transport Canada, showed a Provincial Average wearing rate of 74.7% up from 64.6% in the October, 1989 Transport Canada survey. A total of 3484 vehicles were surveyed which was up 17.4% from the amount surveyed in September, 1989.

Below is a list of the wearing percentages and the number of vehicles surveyed for each area:

Urban - Village Mall - Hotel Newfoundland - Avalon Mall - Janeway Hospital - Bay Roberts - Confederation Building - Clarenville - Grand Falls - Labrador City	73.7%	3002
Highway - Manuels Highway - Roaches Line - Harbour Arterial	81.1%	482
St. John's	78.2%	886
Bay Roberts	77.7%	408
Clarenville	65.2%	420
Grand Falls	76.6%	483
Corner Brook	81.8%	413
Labrador City	56.4%	392

For all sites where the number of surveyed vehicles exceeded 400, the wearing percentages have no more than a 5% error with at least 95% confidence level.

SPECIFIC SURVEYS

1. Manuels Highway at Intersection of Route 60, E. Murray: The May 1990 survey, Table 4, indicates an increase in seat belt use to 81.0% from the September 1989 value of 76.9%.

2. Roaches Line Access to Trans Canada Highway, G. Jerrett: The May 1990 survey, Table 5, indicates an increase in seat belt use to 87.3% from the August 1989 value of 85.3%.

3. Harbour Arterial Ramp to Water Street, G. Lutz: The May 1990 survey, Table 6 indicates a decrease in seat belt use to 76.0% from the September 1989 value of 77.0%.

4. Village Mall, M. Murphy: The May 1990 survey, Table 7, indicates an increase in seat belt use to 79.4% from the September 1989 value of 64.0%.

5. Hotel Newfoundland, D. Shea: The May 1990 survey, Table 8 indicates an increase in seat belt use to 67.7% from the September 1989 value of 59.2%.

6. Avalon Mall, M. Murphy: The May 1990 survey, Table 9 indicates a increase in seat belt use to 76.5% from the September 1989 value of 64.3%.

7. Janeway Hospital, M. Murphy: The May 1990 survey, Table 10, indicates an increase in seat belt use to 82.6% from the September 1989 value of 71.1%.

8. Bay Roberts, G. Jerrett: The September 1989 survey, Table 11, indicates seat belt use of 77.7% consistent with the September 1989 wearing rate.

9. Confederation Building, M. Murphy: The May 1990 survey, Table 12, shows a notable increase in seat belt use to 85.0% from the September 1989 value of 64.8%.

10. Clarenville, W. Wiseman: The May 1990 survey, Table 13, shows an increase in seat belt use to 65.2% from the September 1989 value of 52.7%.

11. Grand Falls, D. Higdon: The May 1990 survey, Table 14, shows a decrease in seat belt use to 76.6% from the September 1990 value of 97.8%.

12: Corner Brook, R. Murray: The May 1990 survey, Table 15, indicates an increase in seat belt use to 81.8% from the September 1989 value of 75.7%.

13. Labrador City, M. Elvin: The May 1990 survey, Table 16, shows an increase in seat belt use to 56.4% from the September 1989 value of 52.6%.

STATISTICAL TABLES

May, 1990

Table 1
May 24, 1990

SEAT BELT SURVEY

AREA: **Provincial**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	157	130	287
25-44	949	625	1574
45-64	477	177	654
65+	77	654	89
TOTAL	1660	944	2604

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	48	36	84
25-44	453	148	601
45-64	166	22	188
65+	7	-	7
TOTAL	674	206	880

WEARING PERCENTAGE

	Male	Female	Total
16-24	76.6	78.3	77.4
25-44	67.7	80.9	72,4
45-64	74.2	88.9	77.7
65+	91.7	100.0	92.7
TOTAL	71.1	82.1	74.7

Table 2
May 24, 1990

SEAT BELT SURVEY

AREA: **Urban**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	138	115	253
25-44	778	505	1283
45-64	424	170	594
65+	71	12	83
TOTAL	141	802	2213

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	46	35	81
25-44	395	132	527
45-64	152	22	174
65+	7	-	7
TOTAL	600	189	789

WEARING PERCENTAGE

	Male	Female	Total
16-24	75.0	76.7	75.7
25-44	66.3	79.3	70.9
45-64	73.6	88.5	77.3
65+	91.0	100.0	92.2
TOTAL	70.2	80.9	73.7

Table 3
May 24, 1990

SEAT BELT SURVEY

AREA: **Highway**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	19	15	34
25-44	171	120	291
45-64	53	7	60
65+	6	-	6
TOTAL	249	142	391

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	1	3
25-44	58	16	74
45-64	14	-	14
65+	-	-	-
TOTAL	74	17	91

WEARING PERCENTAGE

	Male	Female	Total
16-24	90.5	93.8	91.9
25-44	74.7	88.2	79.7
45-64	79.1	100.0	81.1
65+	100.0	-	100.0
TOTAL	77.1	89.3	81.1

Table 4
May 24, 1990

SEAT BELT SURVEY

AREA: **Manuels Highway at Intersection of Route 60**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	5	5	10
25-44	53	49	102
45-64	9	2	11
65+	1	-	1
TOTAL	68	56	124

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	-	-	-
25-44	15	8	23
45-64	6	-	6
65+	-	-	-
TOTAL	21	8	29

WEARING PERCENTAGE

	Male	Female	Total
16-24	100.0	100.0	100.0
25-44	77.9	86.0	81.6
45-64	60.0	100.0	64.7
65+	100.0	-	100.0
TOTAL	76.4	83.6	81.0

Table 5
May 24, 1990

SEAT BELT SURVEY

AREA: **Roaches Line at Intersection with TCH**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	14	10	24
25-44	54	15	69
45-64	30	3	33
65+	5	-	5
TOTAL	103	28	131

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	1	3
25-44	8	-	8
45-64	8	-	8
65+	-	-	-
TOTAL	18	1	19

WEARING PERCENTAGE

	Male	Female	Total
16-24	87.5	90.9	88.9
25-44	87.1	100.0	89.6
45-64	78.9	100.0	80.5
65+	100.0	-	100.0
TOTAL	85.1	96.6	87.3

Table 6
May 24, 1990

SEAT BELT SURVEY

AREA: **Pitts Memorial Drive (East)**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	-	-	-
25-44	64	56	120
45-64	14	2	16
65+	-	-	-
TOTAL	78	58	136

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	-	-	-
25-44	35	8	43
45-64	-	-	-
65+	-	-	-
TOTAL	35	8	43

WEARING PERCENTAGE

	Male	Female	Total
16-24	-	-	-
25-44	64.6	87.5	73.6
45-64	100.0	100.0	100.0
65+	-	-	-
TOTAL	69.0	87.9	76.0

Table 7
May 24, 1990

SEAT BELT SURVEY

AREA: **Village Mall**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	10	4	14
25-44	62	27	89
45-64	13	1	14
65+	5	1	6
TOTAL	90	33	123

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	2	4
25-44	17	6	23
45-64	4	1	5
65+	-	-	-
TOTAL	23	9	32

WEARING PERCENTAGE

	Male	Female	Total
16-24	83.3	66.7	77.8
25-44	78.5	81.8	79.5
45-64	76.5	50.0	73.7
65+	100.0	100.0	100.0
TOTAL	79.6	78.6	79.4

Table 8
May 24, 1990

SEAT BELT SURVEY

AREA: **Hotel Newfoundland**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	2	-	2
25-44	67	28	95
45-64	18	10	28
65+	3	-	3
TOTAL	90	38	128

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	-	-	-
25-44	43	8	51
45-64	9	1	10
65+	-	-	-
TOTAL	52	9	61

WEARING PERCENTAGE

	Male	Female	Total
16-24	100.0	-	100.0
25-44	60.9	77.8	65.1
45-64	66.7	90.9	73.7
65+	100.0	-	100.0
TOTAL	63.4	80.9	67.7

Table 9
Avalon Mall

SEAT BELT SURVEY

AREA: **Avalon Mall**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	12	6	18
25-44	36	32	68
45-64	28	7	35
65+	3	-	3
TOTAL	79	45	124

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	4	3	7
25-44	17	4	21
45-64	9	-	9
65+	1	-	1
TOTAL	31	7	38

WEARING PERCENTAGE

	Male	Female	Total
16-24	75.0	66.0	72.0
25-44	67.9	88.9	76.4
45-64	75.7	100.0	79.5
65+	50.0	100.0	75.0
TOTAL	71.8	86.5	76.5

Table 10
May 24, 1990

SEAT BELT SURVEY

AREA: **Janeway Hospital**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	6	16	22
25-44	38	55	93
45-64	26	53	59
65+	2	-	2
TOTAL	72	104	176

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	4	4	8
25-44	3	8	11
45-64	13	3	16
65+	2	-	2
TOTAL	22	15	37

WEARING PERCENTAGE

	Male	Female	Total
16-24	60.0	80.0	73.3
25-44	92.7	87.3	89.4
45-64	66.7	91.7	78.7
65+	50.0	-	50.0
TOTAL	76.6	87.4	82.6

Table 11
May 24, 1990

MEAT BELT SURVEY

AREA: **Bay Roberts**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	16	15	31
25-44	76	68	144
45-64	73	29	102
65+	33	7	40
TOTAL	198	119	317

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	4	8	12
25-44	24	5	51
45-64	25	3	28
65+	-	-	-
TOTAL	53	38	91

WEARING PERCENTAGE

	Male	Female	Total
16-24	80.0	65.2	72.1
25-44	76.0	71.6	73.8
45-64	74.5	90.6	78.5
65+	100.0	100.0	100.0
TOTAL	75.2	82.1	77.7

Table 12
May 24, 1990

SEAT BELT SURVEY

AREA: **Confederation Building**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	2	-	2
25-44	67	40	107
45-64	27	6	33
65+	-	-	-
TOTAL	96	46	142

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	-	-	-
25-44	9	10	19
45-64	3	3	6
65+	-	-	-
TOTAL	12	13	25

WEARING PERCENTAGE

	Male	Female	Total
16-24	100.0	-	100.0
25-44	88.2	80.2	84.9
45-64	90.0	66.7	84.6
65+	-	-	-
TOTAL	88.9	78.0	85.0

Table 13
May 24, 1990

SEAT BELT SURVEY

AREA: **Clarenville**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	21	24	45
25-44	104	59	163
45-64	54	11	65
65+	1	-	1
TOTAL	180	94	274

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	16	9	25
25-44	71	25	96
45-64	21	4	25
65+	-	-	-
TOTAL	108	38	146

WEARING PERCENTAGE

	Male	Female	Total
16-24	56.7	72.7	64.3
25-44	59.4	70.2	62.9
45-64	72.0	73.3	72.2
65+	100.0	-	100.0
TOTAL	62.5	71.2	65.2

Table 14
May 24, 1990

SEAT BELT SURVEY

AREA: **Grand Falls**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	55	37	92
25-44	96	57	153
45-64	78	27	105
65+	17	3	20
TOTAL	246	124	370

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	11	7	18
25-44	48	11	59
45-64	29	5	34
65+	2	-	2
TOTAL	90	23	113

WEARING PERCENTAGE

	Male	Female	Total
16-24	83.3	84.1	83.6
25-44	66.7	83.8	72.2
45-64	72.9	84.4	75.5
65+	89.5	100.0	90.9
TOTAL	73.2	84.4	76.6

Table 15
May 24, 1990

SEAT BELT SURVEY

AREA: **Corner Brook**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	12	13	25
25-44	89	87	176
45-64	88	41	129
65+	7	1	8
TOTAL	196	142	338

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	4	2	6
25-44	34	11	45
45-64	21	1	22
65+	2	-	2
TOTAL	61	14	75

WEARING PERCENTAGE

	Male	Female	Total
16-24	75.0	86.7	80.6
25-44	72.4	88.8	79.6
45-64	80.7	97.6	85.4
65+	77.8	100.0	80.0
TOTAL	76.3	91.0	81.8

Table 16
May 24, 1990

SEAT BELT SURVEY

AREA: **Labrador City (Intersection R-530 & Avalon Drive)**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	2	-	-
25-44	143	52	195
45-64	19	5	24
65+	-	-	-
TOTAL	164	57	221

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	1	-	1
25-44	129	22	151
45-64	18	1	19
65+	-	-	-
TOTAL	148	23	171

WEARING PERCENTAGE

	Male	Female	Total
16-24	66.6	-	66.7
25-44	52.6	70.3	56.4
45-64	51.4	83.3	55.8
65+	-	-	-
TOTAL	52.6	71.3	56.4

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